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Exhibit R-2, RDT&E Budget Item Justification: PB 2011 United States Special Operations Command	DATE: February 2010
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APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 3: <i>Advanced Technology Development (ATD)</i>				PE 1160422BB: <i>Aviation Engineering Analysis/SF101</i>							
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
Total Program Element	0.000	3.529	4.234	0.000	4.234	0.837	0.853	0.867	0.881	Continuing	Continuing
SF101: <i>Aviation Engineering Analysis SF101</i>	0.000	3.529	4.234	0.000	4.234	0.837	0.853	0.867	0.881	Continuing	Continuing

A. Mission Description and Budget Item Justification

This project provides rapid response capability for the investigation, evaluation, and demonstration of technologies for Special Operations Forces (SOF)-unique aviation requirements. Timely application of SOF-unique technology is critical and necessary to meet requirements in such areas as: sensor integration; enhanced situational awareness; near-real-time intelligence to include data fusion, threat detection and avoidance; electronic support measures for threat geo location and specific emitter identification; navigation; target detection; and future SOF aircraft requirements.

B. Program Change Summary (\$ in Millions)

	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011 Base</u>	<u>FY 2011 OCO</u>	<u>FY 2011 Total</u>
Previous President's Budget	0.000	3.544	0.000	0.000	0.000
Current President's Budget	0.000	3.529	4.234	0.000	4.234
Total Adjustments	0.000	-0.015	4.234	0.000	4.234
• Congressional General Reductions		-0.015			
• Congressional Directed Reductions		0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds		0.000			
• Congressional Directed Transfers		0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustment	0.000	0.000	4.234	0.000	4.234

Change Summary Explanation

Funding:

FY09: None.

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<p>FY10: Decrease of -\$0.015 million is due to Section 8097 Congressional general reduction.</p> <p>FY11: Increase of \$4.234 million is due to the DoD not estimating FY 2011 cost when the FY 2010 President's Budget was prepared.</p> <p>Schedule: None.</p> <p>Technical: None.</p>		

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Exhibit R-2A, RDT&E Project Justification: PB 2011 United States Special Operations Command								DATE: February 2010			
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COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
SF101: <i>Aviation Engineering Analysis SF101</i>	0.000	3.529	4.234	0.000	4.234	0.837	0.853	0.867	0.881	Continuing	Continuing

A. Mission Description and Budget Item Justification

Provides a rapid response capability to support SOF fixed wing aircraft and unmanned aircraft systems. The purpose is to correct system deficiencies, improve asset life, and enhance mission capability through the means of feasibility studies, analysis of alternatives, pre-developmental risk reduction studies, and engineering analyses. This project provides the engineering required to improve the design and performance integrity of the aircraft support systems, sub-systems, equipment, and embedded computer software as they relate to the maintenance, overhaul, repair, quality assurance, modifications, materiel improvements, and service life extensions. Conduct risk reduction studies, analyses, and demonstrations to support emerging, time critical weapons and sensor enhancements.

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Aviation Engineering Analysis	0.000	3.529	4.234	0.000	4.234
<i>FY 2010 Plans:</i> FY10 Perform engineering studies and analyses for fixed wing aviation SOF-unique equipment and missions.					
<i>FY 2011 Base Plans:</i> FY11 Performs engineering studies and analyses for fixed wing aviation SOF-unique equipment and missions.					
Accomplishments/Planned Programs Subtotals	0.000	3.529	4.234	0.000	4.234

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<p><u>C. Other Program Funding Summary (\$ in Millions)</u> N/A</p> <p><u>D. Acquisition Strategy</u> N/A</p> <p><u>E. Performance Metrics</u> N/A</p>		

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